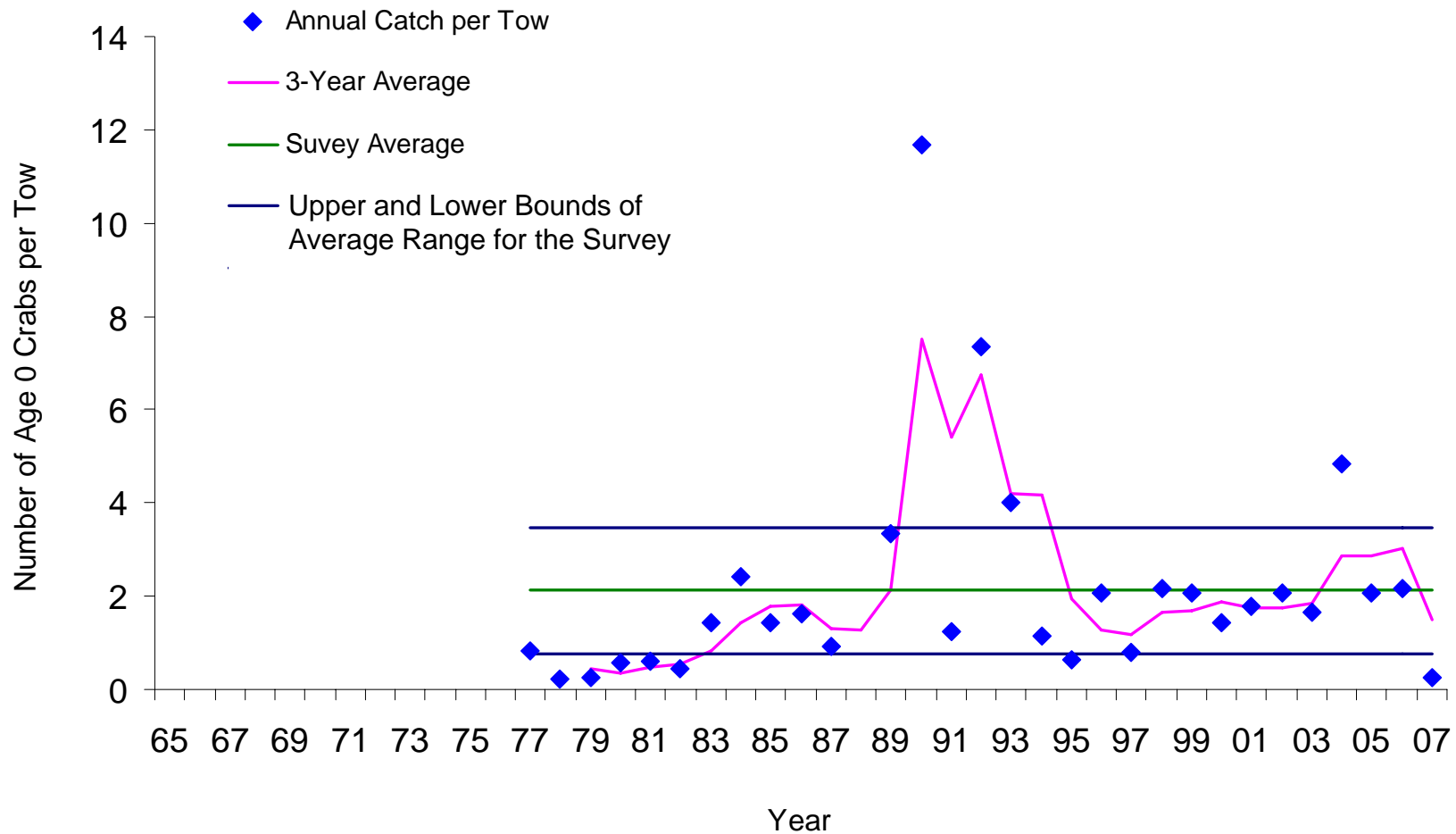


Appendix 2

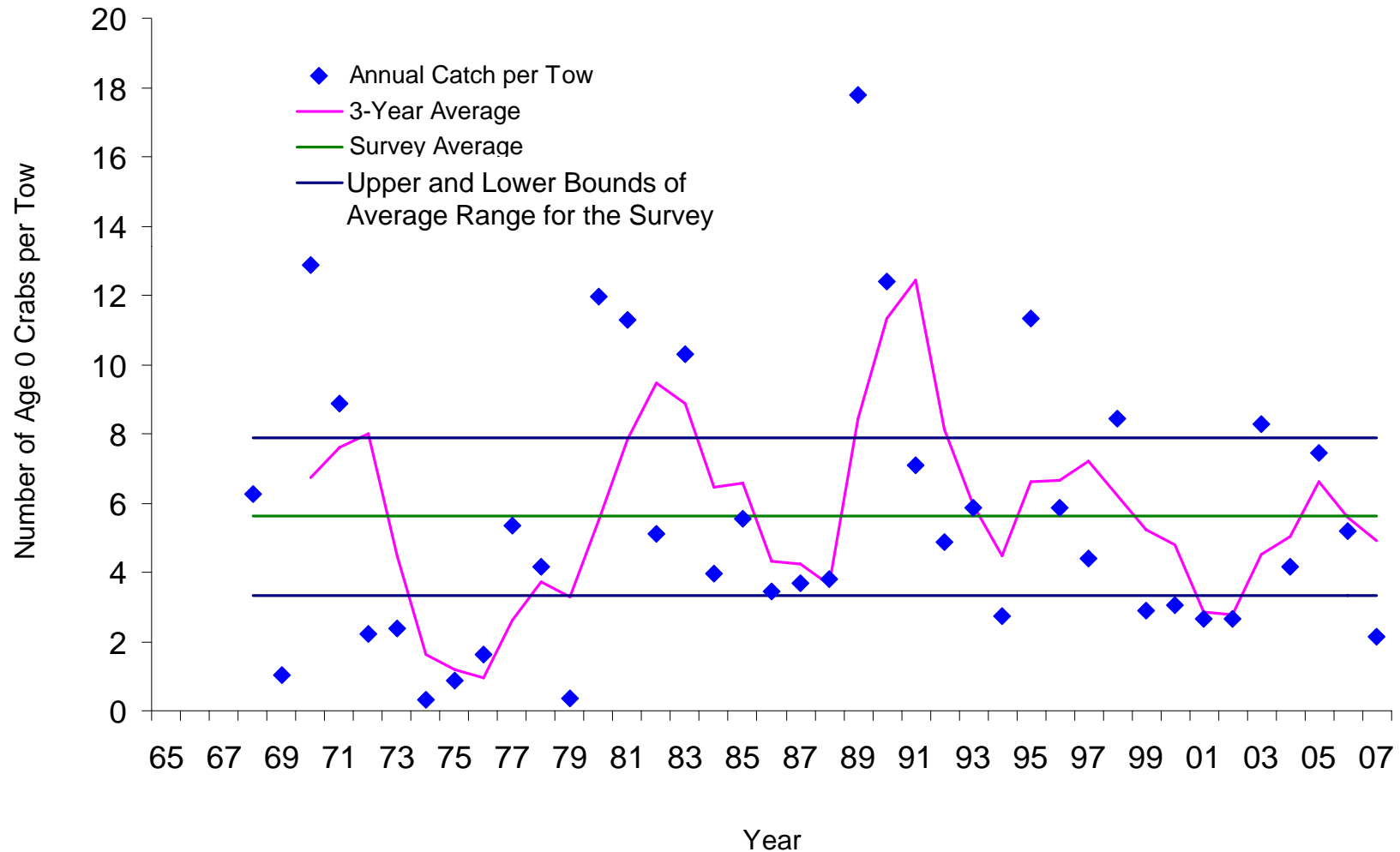
Supporting Survey Indices of Abundance

Data: Three additional fishery-independent surveys are used to monitor stock status: The Virginia trawl survey, the Maryland summer trawl survey, and the Calvert Cliffs crab pot survey. Data from the two trawl surveys and the Calvert Cliffs pot survey are based on calendar year collections through 2006. The indices are expressed as the geometric mean catch per unit effort. Standardized width-age cutoff values were used to differentiate age classes for three of the four surveys (Maryland and Virginia trawl and Calvert Cliffs pot survey) used to derive the abundance indices.

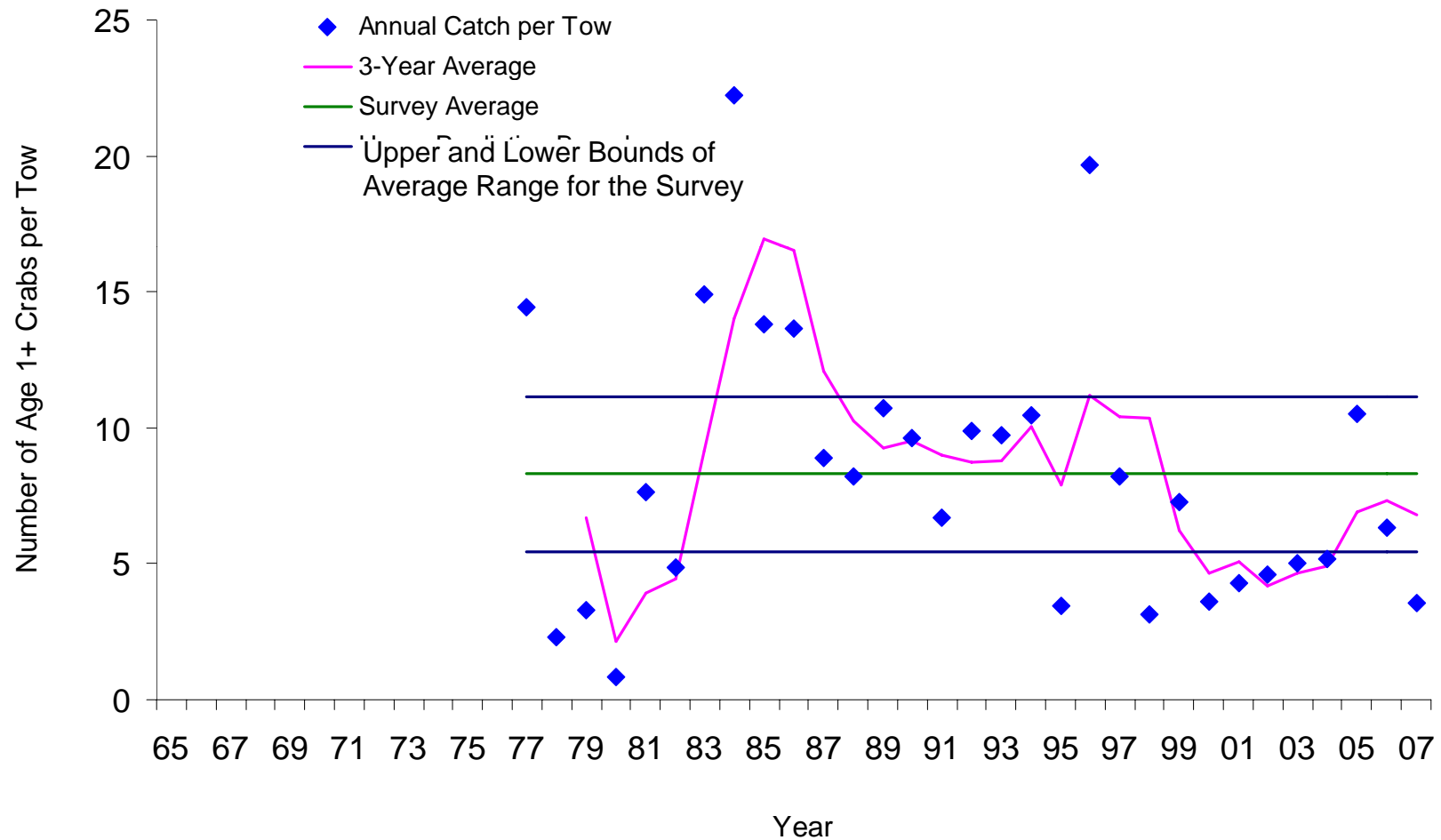
Appendix 2, Figure 1. Maryland Trawl Survey catch per tow of age 0 crabs, 1977 - 2007. Age 0 is assigned to crabs caught during September and October that are less than or equal to 50 mm across the carapace. The average range is defined as the standard deviation of the annual crab density values divided by the square root of three.



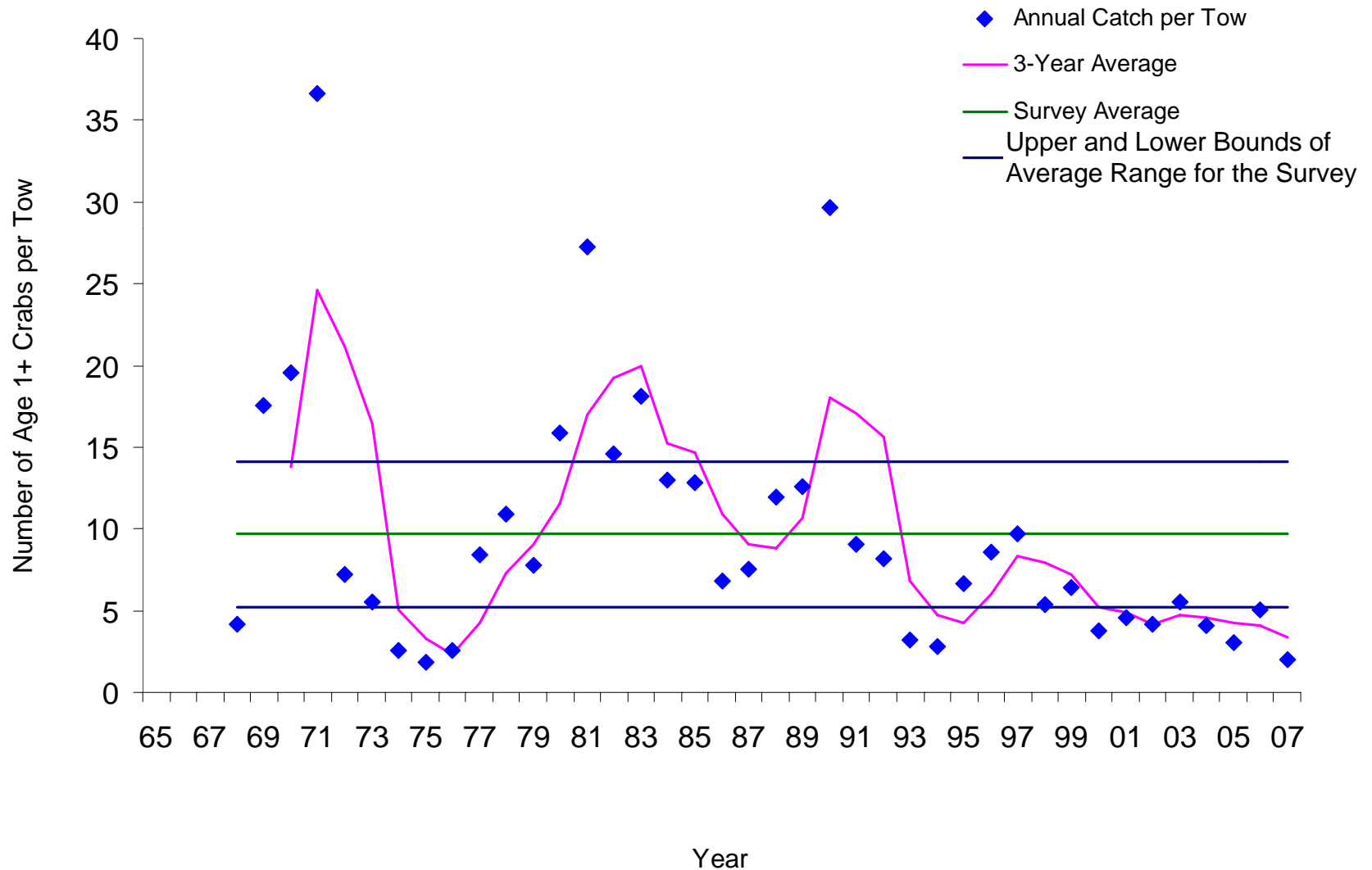
Appendix 2, Figure 2. Virginia Trawl Survey catch per tow of age 0 crabs, 1968-2007, from sites in the upper and lower rivers. Age 0 is assigned to crabs that are less than or equal to 50 mm across the carapace in September, and less than or equal to 60 mm across the carapace in October and November.



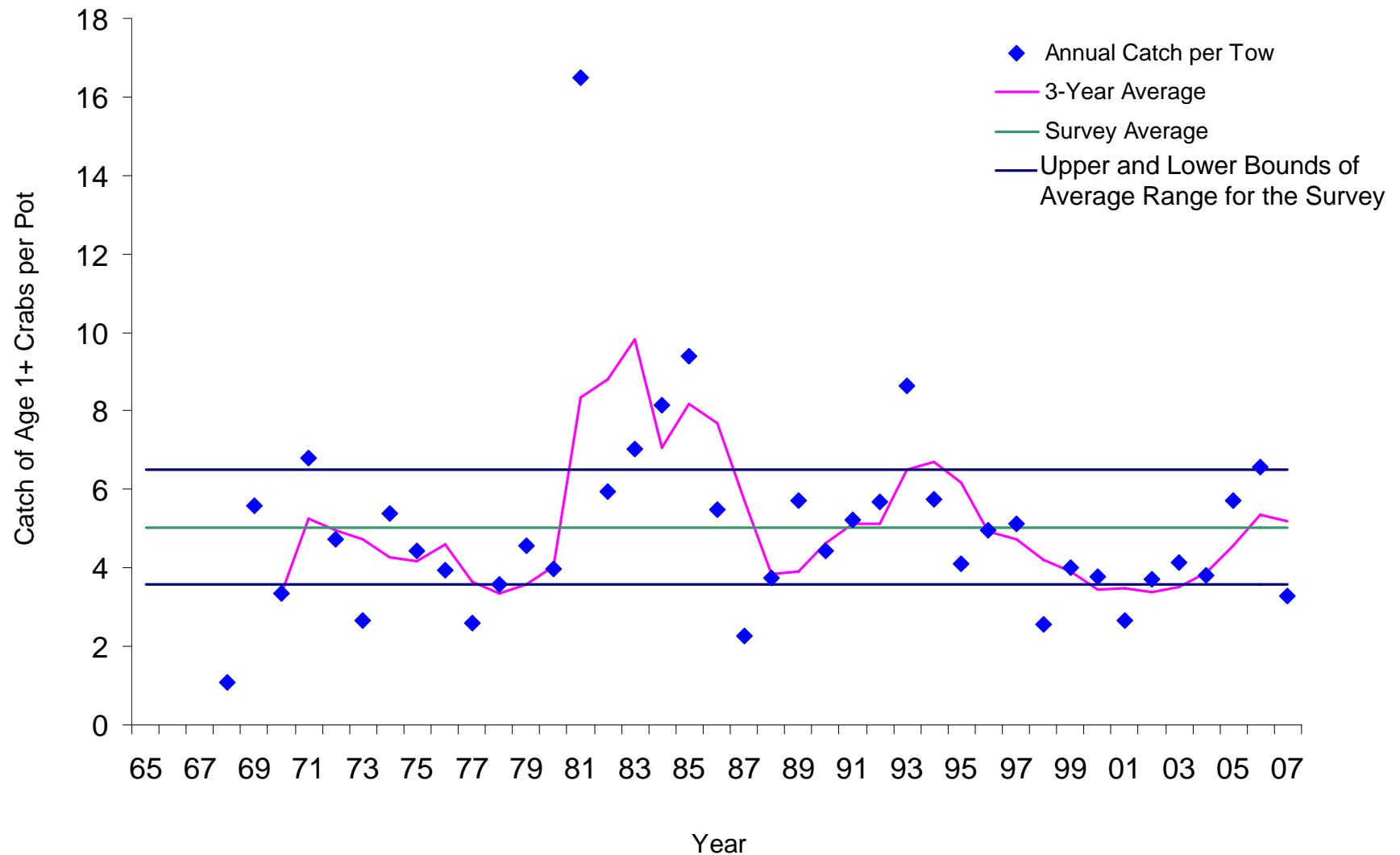
Appendix 2, Figure 3. Maryland Trawl Survey catch per tow of age 1+ crabs, 1977 - 2007. Age 1+ crabs are defined as those caught from June through October that are greater than or equal to 51 mm across the carapace.



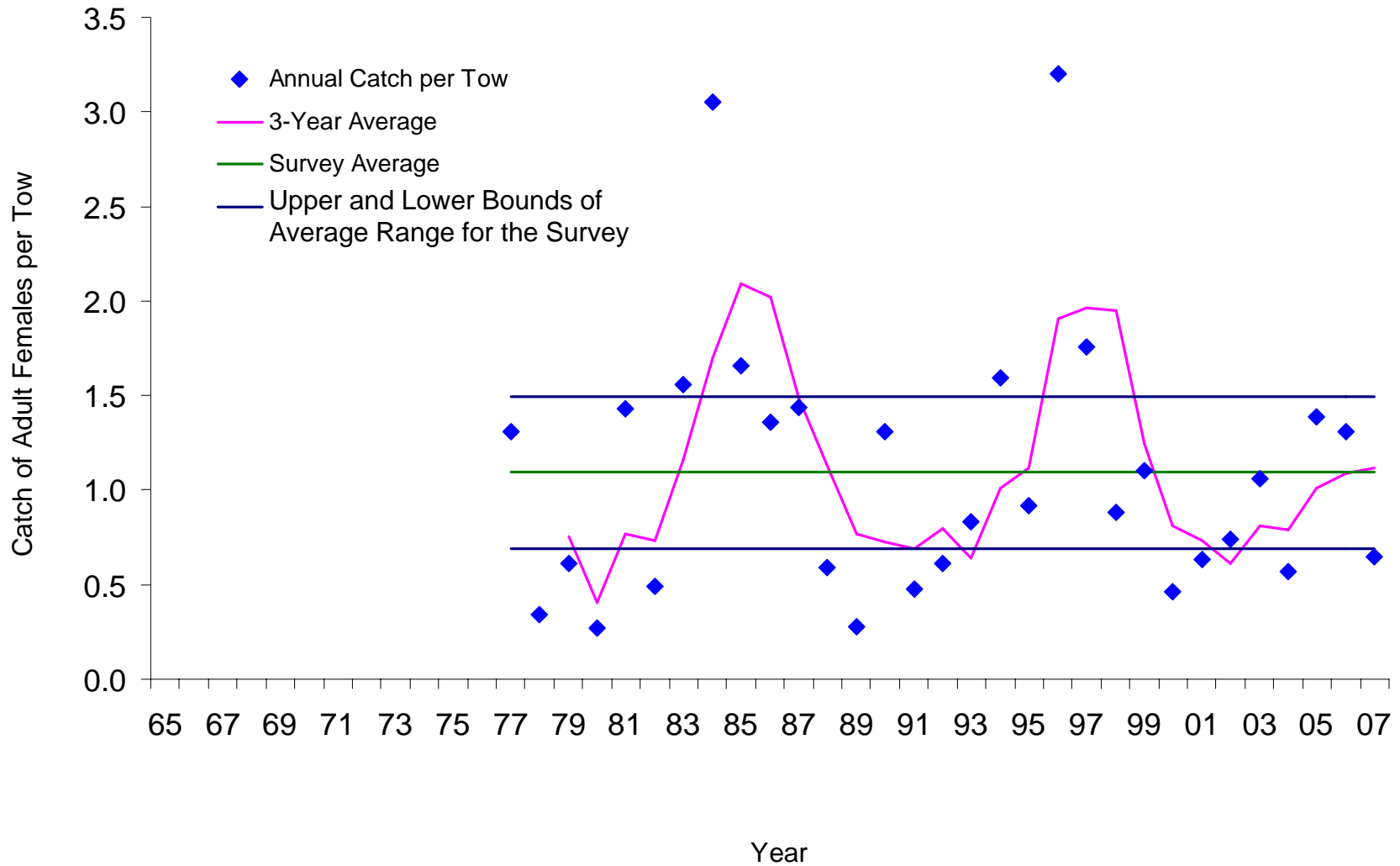
Appendix 2, Figure 4. Virginia Trawl Survey catch per tow of age 1+ crabs, 1968-2007, from sites sampled in the upper and lower rivers. Age 1+ crabs are defined as those that are greater than or equal to 36 mm across the carapace in August, greater than or equal to 51 mm in September, and greater than or equal to 61 mm across the carapace in October.



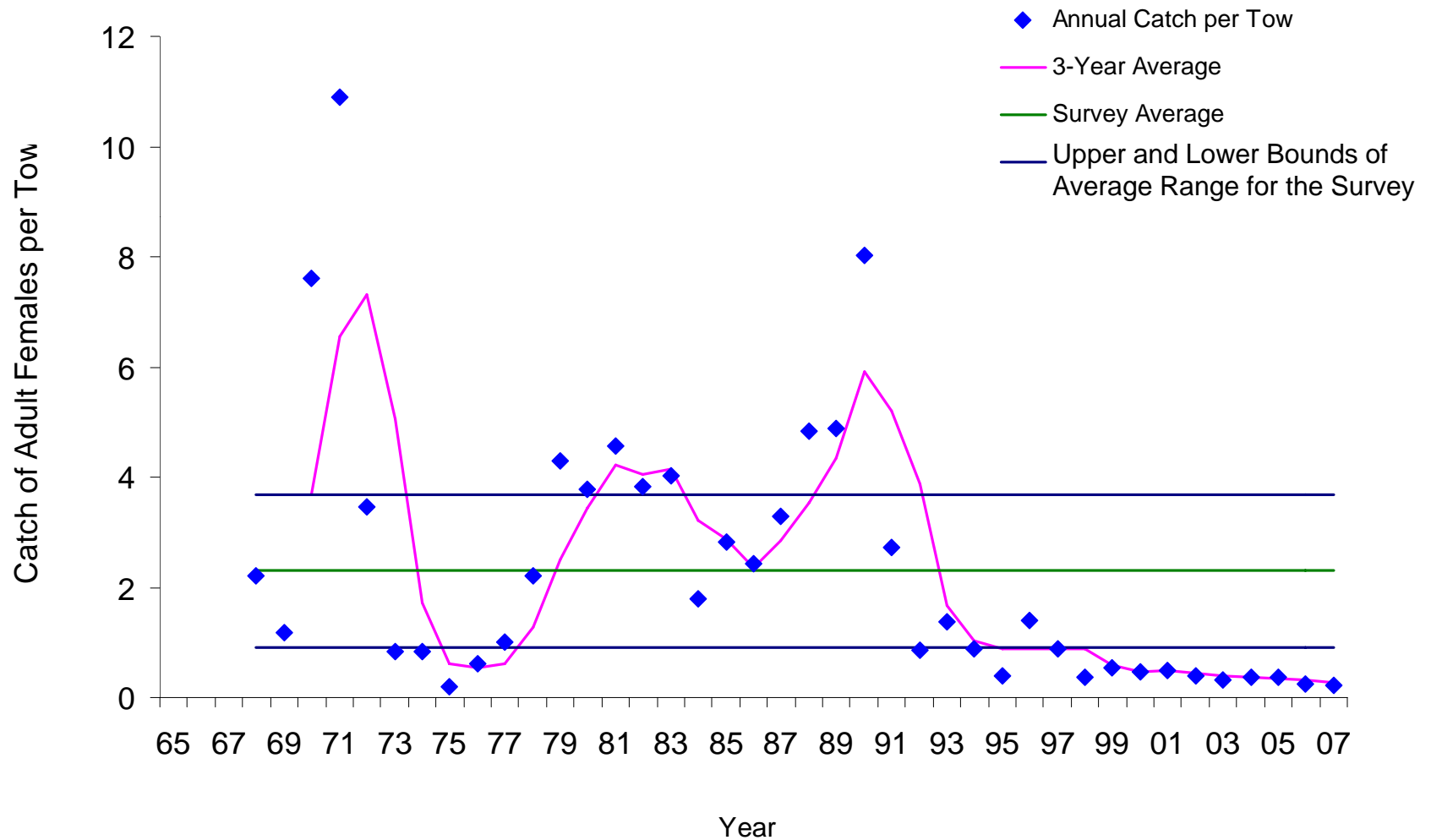
Appendix2, Figure 5. Calvert Cliffs pot survey catch per pot of age 1+ crabs, 1968-2007. Age 1+ crabs are defined as those caught from June through August that are greater than or equal to 95 mm across the carapace.



Appendix 2, Figure 6. Maryland Trawl Survey catch per tow of adult female crabs, 1977 -2007. Adult female crabs caught from August through October are classified in adult, in that they will likely spawn within one year.



Appendix 2, Figure 7. Virginia Trawl Survey catch per tow of adult female crabs, 1968 through 2007, from sites in the upper and lower rivers, and the mainstem of Chesapeake Bay. All females caught from August through November are considered to be adult, in that they will likely spawn within 1 year.



Appendix 2, Figure 8. Calvert Cliffs pot survey catch per pot of adult female crabs, 1968-2007. Adult female crabs are defined as those caught in September that are greater than or equal to 120 mm across the carapace.

